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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/671,547	09/27/2000	Seshadri Sathyanarayan	042390.P9328	8296

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EXAMINER

NGUYEN, MERILYN P

ART UNIT	PAPER NUMBER
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2171

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17

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

09/671,547

Applicant(s)

SATHYANARAYAN, SESHADRI

Examiner

Merilyn P Nguyen

Art Unit

2171

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
- Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 05 May 2004.
- 2a) ☒ This action is **FINAL**. 2b) ☐ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 26-72 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 26-72 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☒ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 27 September 2000 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.
- Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
- 11) ☒ The proposed drawing correction filed on 27 September 2000 is: a) ☒ approved b) ☐ disapproved by the Examiner.
- If approved, corrected drawings are required in reply to this Office action.
- 12) ☐ The oath or declaration is objected to by the Examiner.

Priority under 35 U.S.C. §§ 119 and 120

- 13) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
- ☐ Certified copies of the priority documents have been received.
 - ☐ Certified copies of the priority documents have been received in Application No. _____.
 - ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- * See the attached detailed Office action for a list of the certified copies not received.
- 14) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application).
- a) ☐ The translation of the foreign language provisional application has been received.
- 15) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121.

Attachment(s)

- | | |
|---|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413) Paper No(s). _____. |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO-1449) Paper No(s) _____. | 6) <input checked="" type="checkbox"/> Other: <i>Detailed Action</i> . |

Sept 27, 00

X. APPENDIX OF CLAIMS (37 C.F.R. § 1.192(c)(9))

The claims on appeal read as follows:

26. A method comprising:
- monitoring computer usage of a computer user during a usage session;
- recording information including hypertext links selected by the user during the monitored session;
- analyzing the recorded hypertext links to determine a user interest ~~intent~~ for the session; and
- generating a ^{query} search engine query based on the determined interest.
27. The method of claim 26, wherein analyzing comprises parsing hypertext links selected by the user into words and determining the user interest based on the parsed words.
28. The method of claim 26, wherein determining the user interest comprises determining the user interest based on the content of the hypertext links using heuristics.
29. The method of claim 26, wherein analyzing comprises applying the hypertext links to keyword tables, the keyword tables comprising words that are indicative of the user interest.
30. The method of claim 26, further comprising displaying a set of words indicative of the determined user interest and a button for the user to click on to indicate a desire to receive information regarding the displayed set of words.
31. The method of claim 26, further comprising displaying an icon for the user to click on to start the usage session.
32. The method of claim 26, further comprising determining a change in the user interest by comparing recorded information to stored category profiles.
33. The method of claim 26, wherein monitoring further comprises at least one of:
- monitoring time spent at a network site;
- monitoring network pages bookmarked by the user;

monitoring frequency that particular network pages are visited; and
monitoring the content of visited network pages, and
wherein analyzing comprises analyzing the recorded information and the hypertext links to
determine a user interest for the session.

34. The method of claim 26, wherein generating the query is in response to a user action
and is based on the content of an item or a document currently being displayed.

35. The method of claim 26, wherein generating a search engine query comprises
constructing queries to perform searches using search engines on a plurality of web sites based on
the user interest, the method further comprising transmitting the queries to the plurality of web sites.

36. The method of claim 35, further comprising receiving search result documents from
the web sites, the search result documents comprising a plurality of search result entries, filtering the
search result entries based on the determined interest, and selecting a subset of the search result
entries based on the filtering.

37. A machine-readable medium having stored thereon data representing instructions
which, when executed by a machine, cause the machine to perform operations comprising:

monitoring computer usage of a computer user during a usage session;

recording information including hypertext links selected by the user during the monitored
session;

analyzing the recorded hypertext links to determine a user interest for the session; and

generating a search engine query based on the determined interest.

38. The medium of claim 37, wherein the instructions for analyzing comprise instructions
which, when executed by the machine, cause the machine to perform further operations comprising
parsing hypertext links selected by the user into words and determining the user interest based on the
parsed words.

39. The medium of claim 37, wherein the instructions for analyzing comprise instructions which, when executed by the machine, cause the machine to perform further operations comprising applying the hypertext links to keyword tables, the keyword tables comprising words that are indicative of the user interest.

40. The medium of claim 37, further comprising instructions which, when executed by the machine, cause the machine to perform operations comprising displaying a set of words indicative of the determined user interest and a button for the user to click on to indicate a desire to receive information regarding the displayed set of words.

41. The medium of claim 37, wherein the instructions for generating the query are executed in response to a user action and based on the content of an item or a document currently being displayed.

42. The medium of claim 37, wherein the instructions for generating a search engine query comprise instructions which, when executed by the machine, cause the machine to perform further operations comprising constructing queries to perform searches using search engines on a plurality of web sites based on the user interest, and wherein the instructions further comprise instructions for transmitting the queries to the plurality of web sites.

43. A profile agent for a computer system comprising:

an activity monitor to monitor computer usage of a computer user during a usage session, to record information including hypertext links selected by the user during the monitored session, and to analyze the recorded hypertext links to determine a user interest for the session; and

a query engine to generate a search engine query based on the determined interest.

44. The agent of claim 43, wherein the activity monitor parses hypertext links selected by the user into words and determines the user interest based on the parsed words.

45. The agent of claim 43, wherein the activity monitor determines the user interest based on the content of the hypertext links using heuristics.

46. The agent of claim 43 wherein the activity monitor comprises keyword tables and analyzes the hypertext links by comparing the hypertext links to the keyword tables, the keyword tables comprising words that are indicative of the user interest.

47. The agent of claim 43, wherein the activity monitor comprises stored category profiles and determines a shift in the user interest by comparing recorded information to the stored category profiles.

48. The agent of claim 43, wherein the query engine transmits the search engine query to a search engine, the agent further comprising a results filter to receive a search result document from the queried search engine, the search result document comprising a plurality of search result entries, the results filter to filter the search result entries based on the determined interest, and select a subset of the search result entries.

49. The agent of claim 43, wherein the query engine constructs queries to perform searches using search engines on a plurality of web sites based on the user interest, and transmits the queries to the plurality of web sites.

50. The agent of claim 49, further comprising a results filter to receive search result documents from the web sites, the search result documents comprising a plurality of search result entries, to filter the search result entries based on the determined interest, and to select a subset of the search result entries.

51. A computer system comprising:
a processor;
a network connection;

an activity monitor to monitor computer usage of a computer user during an Internet session, to record information including hypertext links selected by the user during the monitored session, and to analyze the recorded hypertext links to determine a user interest for the session; and

a query engine to generate search engine queries to perform searches using search engines on a plurality of Internet web sites based on the user interest, and to transmit the queries to the plurality of web sites.

52. The system of claim 51, wherein the activity monitor parses hypertext links selected by the user into words and determines the user interest based on the parsed words.

53. The system of claim 51, wherein the activity monitor comprises keyword tables and analyzes the hypertext links by comparing the hypertext links to the keyword tables to identify words that may be indicative of the user interest.

54. The system of claim 51, wherein the activity monitor records at least one of time spent at a network site, network pages bookmarked by the user, frequency that particular network pages are visited, and the content of visited network pages, and the activity monitor analyzes the recorded information and the hypertext links to determine a user interest for the session.

55. The system of claim 51, further comprising a results filter to receive a search result document from queried search engines, the search result document comprising a plurality of search result entries, the results filter to filter the search result entries based on the determined interest, and select a subset of the search result entries.

56. A method comprising:
transmitting a search query to a site over a network;
receiving a search result document from the site, the search result document comprising a plurality of search result entries;
accessing pages associated with at least some of the search result entries;

filtering the search result entries by comparing information from the accessed pages to the query; and

selecting a subset of the search result entries based on the comparison.

57. The method of claim 56, wherein at least some of the information from the accessed pages comprises hypertext links to further pages associated with the respective search result entry, the method further comprising parsing hypertext links into constituent elements, and comparing the hypertext link constituent elements to elements of the search query.

58. The method of Claim 57, wherein selecting a subset of the search result entries comprises selecting using the comparison of information from accessed pages and the comparison of hypertext link constituent elements.

59. The method of claim 58, wherein at least some of the search result entries include a description of an associated document, the method further comprising parsing at least a portion of the descriptions into constituent elements, and comparing the description constituent elements to elements of the search query and wherein selecting a subset comprises selecting a subset using the description constituent elements comparison.

60. The method of claim 59, further comprising generating a summary document comprised of the selected subset of the search result entries, and displaying the summary document.

61. The method of claim 56, wherein the network comprises the Internet, and the site comprises a search engine at a remote World Wide Web site.

62. The method of claim 56, wherein the network comprises the Internet, the method further comprising transmitting the search query to a plurality of search engines at remote World Wide Web sites and receiving a plurality of search result documents from the search engines, each search result document comprising a plurality of search result entries.

63. A machine-readable medium having stored thereon data representing instructions which, when executed by a machine, cause the machine to perform operations comprising:

transmitting a search query to a site over a network;

receiving a search result document from the site, the search result document comprising a plurality of search result entries;

accessing pages associated with at least some of the search result entries;

filtering the search result entries by comparing information from the accessed pages to the query; and

selecting a subset of the search result entries based on the comparison.

64. The medium of claim 63, wherein at least some of the information from the accessed pages comprises hypertext links to further pages associated with the respective search results entry, the medium further comprising instructions which, when executed by the machine, cause the machine to perform further operations comprising parsing hypertext links into constituent elements, and comparing the hypertext link constituent elements to elements of the search query.

65. The medium of Claim 64, wherein the instructions for selecting a subset of the search result entries comprise instructions which, when executed by the machine, cause the machine to perform further operations comprising selecting using the comparison of information from accessed pages and the comparison of hypertext link constituent elements.

66. The medium of claim 63, wherein at least some of the search result entries include a description of an associated document, the medium further comprising instructions which, when executed by the machine, cause the machine to perform further operations comprising parsing at least a portion of the descriptions into constituent elements, and comparing the description constituent elements to elements of the search query and wherein the instructions for selecting a subset comprise instructions which, when executed by the machine, cause the machine to perform

further operations comprising selecting a subset using the description constituent elements comparison.

67. An apparatus comprising:

a query engine to transmit a search query to a site over a network; and

a results filter to receive a search result document from the site, the search result document comprising a plurality of search result entries, the results filter further to access pages associated with at least some of the search result entries, to filter the search result entries by comparing information from the accessed pages to the query, and to select a subset of the search result entries based on the comparison.

68. The system of claim 67, wherein at least some of the information from the accessed pages comprises hypertext links to further pages associated with the respective search result entry, and wherein the results filter parses hypertext links into constituent elements and compares the hypertext link constituent elements to elements of the search query.

69. The system of claim 67, wherein at least some of the search result entries include a description of an associated document, the results filter further to parse at least a portion of the descriptions into constituent elements, and compare the description constituent elements to elements of the search query.

70. A computer system comprising:

a processor;

a network connection;

a query engine to transmit using the network connection search queries to search engines at Internet sites; and

a results filter to receive search result documents over the network connection from the search engines, the search result documents comprising a plurality of search result entries, the results

filter further to access pages associated with at least some of the search result entries, to filter the search result entries by comparing information from the accessed pages to the query, and to select a subset of the search result entries based on the comparison.

71. The system of claim 70, wherein at least some of the information from the accessed pages comprises hypertext links to further pages associated with the respective search result entry, and wherein the results filter parses hypertext links into constituent elements and compares the hypertext link constituent elements to elements of the search query.

72. The system of claim 70, wherein at least some of the search result entries include a description of an associated document, the results filter further to parse at least a portion of the descriptions into constituent elements, and compare the description constituent elements to elements of the search query.